APPENDIX A

FIELD FORMS

(SEE ATTACHED CD)

Well Id	Date Measured	Time Measured	Casing Dia.(inches)	Depth to LNAPL (ft-btoc)	Depth to Water (ft-btoc)	Depth to DNAPL (ft-btoc)	Measured Depth to Well Base (ft-btoc)	Key	Lat.	Long.	Comments
H-11	1/23/2008	7:58 AM	5		70.00		103.26	3210			Monument damaged
M-48									36.05275	-115.000978	Located - No Key Worked
MW-1	1/23/2008	8:10 AM	4		60.95		114.95	3210			
AA-MW-5	1/25/2008	10:30 AM	4		51.51		64.65	3210	36.036862	-115.014461	Parking lot west of Century Steel
H-13	1/23/2008	8:31 AM	10		38.23		75.35	3210			
EC-4	1/24/2008	1:38 PM	4		48.90		67.30	3210			
EC-3			4					0841	36.041573	-115.013256	Olin - Transect 2 - Asphalted Over?
AA-MW-13	1/24/2008	10:39 AM	4		53.03		99.04	3210			Sand material located within casing
B-1	1/25/2008	4:55 PM	4		41.45		59.40	3210	36.041815	-115.009943	Northeast of blue tank
TR-6			4								Tronox - Not Accessible
EC-10	2/8/2008	10:30 AM	2		44.11	54.04	59.37	0841			
EC-7	2/8/2008	10:15 AM	2		53.38	63.27	69.30	0841			
B-4	1/24/2008	2:10 PM	4		44.82		65.10	3210			
B-7	1/24/2008	10:02 AM	4		54.15		59.50	3210			
B-17	1/23/2008	9:52 AM	4		45.85		63.95	3210			Southern end of CAMU / strong odor
B-18	1/23/2008	9:40 AM	4		43.70		59.15	3210			Southern end of CAMU
AA-BW-12A	1/23/2008	9:28 AM	4		51.20		71.40	3210			Southern end of CAMU / strong odor
EC-1	1/24/2008	9:27 AM	4		55.49		71.05	3210			Northern edge of Olin property
EC-2	1/24/2008	9:18 AM	4		57.17		61.85	3210			Northern edge of Olin property
AA-MW-7	1/28/2008	10:42 AM	4		40.12		77.40	3210			Replaced Lock
PC-064	1/23/2008	8:49 AM	2		7.31		18.31	3210			Barret / Palm
PC-068	1/25/2008	3:30 PM	3		12.18		36.00	3210	36.08451	-114.996297	Well Vault Damaged - Sampling Not Possible
PC-067	1/23/2008	9:05 AM	2		11.64		33.75	3210			Rolly St.
MW-R	1/24/2008	2:50 PM	2		13.65		38.20	3210	36.062908	-115.010646	
PC-031	1/23/2008	9:17 AM	2		10.95		46.71	3210			Foster St.
PC-028	1/23/2008	10:50 AM	2		11.97		19.80	3210			Merlayne Dr.
MW-A-J	1/23/2008	10:55 AM	2		8.36		30.00	3210			Ward Dr.
MW-K1	1/23/2008	11:21 AM	2		9.60		19.55	3210			Moser Dr.
TWE-15	1/23/2008	11:06 AM	4		9.61		17.65	3210			Ward Dr.
PC-055	1/23/2008	11:15 AM	6		Dry		24.65	3210			

Well Id	Date Measured	Time Measured	Casing Dia.	Depth to Product (ft-btoc)	Depth to Water (ft-btoc)	Depth to Product (ft-btoc)	Measured Depth to Well Base (ft-btoc)	Key	Lat.	Long.	Comments
PC-010			2					3210	36.070944	-114.995471	Roldan Const. - Asphalted Over
MW-APX-5-7	1/23/2008	1:05 PM	2		8.00		9.45	3210			Wiesner Way
MW-S	1/23/2008	12:21 PM	2		24.78		42.37	3210			Waste Treatment Facility
MW-K5	1/23/2008	12:28 PM	2		30.40		45.25	3210			Waste Treatment Facility
PC-002	1/23/2008	12:04 PM	2		24.85		33.50	3210			Newly constructed treatment facility
HMW-13	1/23/2008	12:50 PM	2		19.05		26.40	3210			Well head and monument damaged
PC-056	1/25/2008	2:35 PM	2		13.74		54.75	3210	36.082794	-114.992714	
MW-U	1/23/2008	1:27 PM	2		17.18		36.17	3210			See foot note 1
PC-077	1/25/2008	12:53 PM	2		9.42		39.95	3210	36.086337	-114.998266	
PC-086	1/25/2008	1:45 PM	2		6.74		27.60	3210	36.085256	-114.992196	
CP-1	1/24/2008	8:55 AM	4		37.99		129.60	3210			
DPT-1	1/25/2008	4:50 PM	4		37.14		130.80	3210	36.041838	-115.009931	NE of blue tank, west of electric shop on 3rd st.
MC-MW-9	1/24/2008	10:25 AM	4		40.75		127.80	3210			South of SVE system
MC-MW-10	1/24/2008	9:45 AM	4		57.92		122.60	3210			North of large storage tanks
MC-MW-11	1/24/2008	10:10 AM	4		59.85	126.25	127.65	3210			Strong odor
MC-MW-12	1/24/2008	2:16 PM	4		43.20		124.90	3210			
MW-8	1/24/2008	9:53 AM	4		Artesian			3210			See foot note 2
TR-1			4								Tronox - Not Accessible
TR-3			4								Tronox - Not Accessible
TR-5			4								Tronox - Not Accessible
TR-7			4								Tronox - Not Accessible
TR-9			4						36.037421	-115.003604	Tronox - Not Accessible
TR-11	1/25/2008	2:00 PM	4		Artesian			3210	36.054391	-115.01071	Guage read 4 PSI
TR-12	1/24/2008	3:06 PM	4		Artesian			3210			Gauge read 9 PSI
ARP-06A									36.072348	-114.996733	City Of Henderson Treatment Plant - Not Accessible
1. Located within the fenced area, contact Ted Moore from American Pacific (AMPAC) for access. (702) 547-6652											
2. The well cap was vented, causing the water to seep out on to the soil.											

HARGIS + ASSOCIATES, INC.

* Data for MC-45A & H-21R — 26.34 / 27.40 — No product noted

OLIN-SMC/SYNGENTA-MONTROSE
SITE-WIDE MONITORING PROGRAM - WATER LEVEL FIELD FORM

QUARTER: ______
YEAR: ______

WELL IDENTIFIER	DATE	TIME	MEASURING POINT ELEVATION (feet amsl)	DEPTH TO WATER (feet bmp)	TOTAL DEPTH OF WELL (feet)	WATER LEVEL ELEVATION (feet amsl)	DESCRIPTION OF MEASURING POINT	NON-AQUEOUS PHASE LIQUID			COMMENTS
								Top (ft bmp)	Bottom (ft bmp)	Thickness (feet)	
AA-BW-08A (Camo)	~~[illegible]~~ 4-7	~~913~~ 1202	1763.18	52.08	~~60.6~~ 61.65		top of PVC casing				~~Needs Lock~~ Dedicated Bladder pump installed. #03 to key
AA-BW-12A (Camo)	4-7	1235	1778.54	52.30	~~69~~ 72.40		top of PVC casing				Buried with PVC pieces of [illegible] in area
AA-MW-05	4-3	936	1845.70	50.40	~~64~~ 63.68		top of PVC casing	Ø	Ø	Ø	South end ~~of~~ of Camo property
AA-MW-07	4-7	918	1764.22	40.09	~~74~~ 77.40		top of PVC casing	—	—	—	
AA-MW-13	4-3	1114	1809.64	34.76	65		top of PVC casing	—	—	—	Located between Tanks 6T-783 & 4T610, South of salt pit
AA-MW-14	4-7	1029	1811.31	39.46	~~57~~ 61.30		top of PVC casing	—	—	—	~~NW of SVE~~ Directly north of SVE system needs lock
ARP-06B	4-4	822	1615.56	32.01	42.85		top of PVC casing	NM	NM	NM	South side of Rd before entering ponds
B-01	4-3	1153	1807.14	40.33	~~59.5~~ 58.7		top of PVC casing	—	—	—	
B-04 (Power office (South))	4-7	1125	1800.89	44.64	~~64.5~~ 64.94		top of sounder port	NM	NM	NM	
B-07	4-7	855	1800.97	54.28	~~59.5~~ 55.29		top of PVC casing	~~NM~~	~~NM~~	~~NM~~	
CP-01	4-7	1041	1827.62	37.55	129.53		top of PVC casing	—	—	—	Located near Montrose wells.
DPT-01	4-3	1149	1807.57	35.35	129.80		top of PVC casing	—	—	—	
EC-01	4-7	912	1771.11	55.50	~~70~~ 71.05		top of PVC casing	—	—	—	
EC-02	4-9	907	1771.43	57.30	~~70~~ 61.80		top of PVC casing	—	—	—	
EC-03	4-3	1015	1803.93	43.02	~~70~~ 69.20		top of PVC casing	NM	NM	NM	
EC-04	4-3	1032	1811.48	47.79	~~70~~ 66.90		top of PVC casing	NM	NM	NM	
EC-06	4-7	936	1805.26	38.59	~~70~~ 74.55		top of PVC casing	NM	NM	NM	
EC-07	4-7	940	1797.97	54.40	~~74~~ 70.30		top of PVC casing				
EC-09	4-7	958	1793.87	50.02	~~65~~ 62.35		top of PVC casing				
EC-10	4-7	952	1792.08	45.63	~~60~~ 60.05		top of PVC casing				
H-11	4-3	953	1868.47	68.96	103.21		top of sounder port	Ø	Ø	Ø	Monument footing damaged, well O.K.
H-13	4-2	737	1821.40	38.00	~~80~~ 75.35		top of steel casing				Soft bottom
HMW-13	4-4	0850	1591.97	*	~~40~~ *		top of casing	NM	NM	NM	Well was struck well casing (top) broke off
M-048	4-4	0751	1720.78	17.48	~~30.1~~ 31.60		top of PVC casing	NM	NM	NM	
MCF-BW-11A (Camo)	4-7	1242	1776.18	49.73 ~~126.35~~ 49.73	~~72~~ ~~124.5~~ 75.62		top of PVC casing	—	—	—	Located, however not sure if proper well.
MC-MW-09	4-3	1015	1814.98	38.72	123.5 126.6		top of 4-inch steel casing				
MC-MW-10	4-7	849	1803.91	58.00	~~118.5~~ 122.6		top of 4-inch steel casing				
MC-MW-11	4-3	1214	1804.50	58.84	~~124~~ ~~124.5~~ 127.6		top of 4-inch steel casing	126.35	127.6	+1.25	Strong odor
MC-MW-12 (Power office)	4-7	1115	1800.04	~~[illegible]~~ 53.45	123.5 ~~[illegible]~~ ~~[illegible]~~ 124.5		top of 4-inch steel casing	~~126.35~~	~~127.6~~	~~+1.25'~~	~~Strong~~
MW-01	4-3	927	1851.18	60.70	114.72		top of PVC casing	~~NM~~ Ø	~~NM~~ Ø	~~NM~~ Ø	Needs Lock
MW-08	4-7	0851	1803.63	Artesian	300		top of 4-inch steel casing	NM	NM	NM	GW venting through cap ~~and~~ onto ground
MW-A-J	4-3	14.39	1649.64	8.28	~~30.6~~ 29.98		top of PVC casing	NM	NM	NM	
MW-APX-5-7	4-4	1043	1613.76	7.81	9.51		top of casing	NM	NM	NM	Needs 2" cap/plug
MW-K1	4-3	1439	1633.98	9.57	~~23.5~~ 20.45		top of PVC casing	NM	NM	NM	

Revised water level form Site-Wide
04/01/08

MC-MW 12 121.95

* HMW-13 — DTW 17.4 TOM + 2.89; TD 26.7 TOM; 0.80" from monument to casing; casing broken

No monument, well located east of M-44. Key did not [illegible] on other [illegible]

OLIN-SMC/SYNGENTA-MONTROSE
SITE-WIDE MONITORING PROGRAM - WATER LEVEL FIELD FORM

QUARTER: ________
YEAR: ________

WELL IDENTIFIER	DATE	TIME	MEASURING POINT ELEVATION (feet amsl)	DEPTH TO WATER (feet bmp)	TOTAL DEPTH OF WELL (feet)	WATER LEVEL ELEVATION (feet amsl)	DESCRIPTION OF MEASURING POINT	NON-AQUEOUS PHASE LIQUID			COMMENTS
				29.49	45.4			Top (ft bmp)	Bottom (ft bmp)	Thickness (feet)	NEED 2" ~~Cap~~ Plug, Monument
MW-K5	4-4	854	1598.81	~~22.8~~ [illegible]	~~40.5~~ ~~39.22~~ [illegible]		top of PVC casing	NM	NM	NM	~~Flush Mount [illegible] installed [illegible]~~ no cap 4" and
MW-R	4-4	1110	1667.90	13.56	38.20		top of PVC casing	NM	NM	NM	
MW-S	4-4	832	1609.02	22.50	~~45~~ 42.80		top of PVC casing	NM	NM	NM	Needs Lock
MW-U	4-4	1029	1590.96	15.50	~~43~~ 36.65		top of PVC casing	NM	NM	NM	Contacted [illegible] w/ [illegible]
PC-002	4-4	915	1597.07	23.44	~~31.7~~ 37.46		top of PVC casing	NM	NM	NM	Needs Lock
PC-028	4-3	1427	1650.85	12.05	~~40.6~~ 42.79		top of PVC casing	NM	NM	NM	
PC-031	4-3	1419	1657.86	10.81	~~40.5~~ 46.70		top of PVC casing	NM	NM	NM	
PC-055	4-3	1480	1617.19	Dry	~~54.9~~ 24.65		top of PVC casing	NM	NM	NM	Labeled MW-K2 the same?
PC-056	4-4	736	1568.25	11.63	~~55~~ 53.75		top of PVC casing	NM	NM	NM	Flush mount
PC-064	4-3	1409	1675.29	7.45	~~40~~ 18.35		top of PVC casing	NM	NM	NM	
PC-067	4-3	1414	1973.82	11.70	~~35.6~~ 53.80		top of PVC casing	NM	NM	NM	
PC-077	4-4	1005	1566.90	7.31	~~40~~ 39.78		top of PVC casing	NM	NM	NM	
PC-086	4-4	949	**1553.85**		28		top of PVC casing	NM	NM	NM	Directly west of Box 120, Flush mount, key did not work
TR-01			1752.18		312		top of casing	NM	NM	NM	
TR-03			1772.84		250		top of casing	NM	NM	NM	
TR-05			1800.27		251		top of casing	NM	NM	NM	
TR-06			1800.36		80		top of casing				
TR-07			1829.03		290		top of casing	NM	NM	NM	
TR-09			1854.29		250		top of casing	NM	NM	NM	
TR-11			1717.12		230		top of casing	NM	NM	NM	
TR-12			1695.84		292		top of casing	NM	NM	NM	
TWE-15	4-3	1445	1633.40	9.51	1765		top of casing	NM	NM	NM	

NOTES:

bmp = Below measuring point
amsl = Above mean sea level
NM = Not measured

MONITORING WELL LOW-FLOW PURGE/SAMPLING FORM

Page 1 of 1

MONITORING WELL SAMPLING LOG

PROJECT: Semi-annual suite Statewide Sampling

Well ID:	TR-1	**Screened Interval (ft):**	282-312	**Well Diameter (in)**	4"
Date:	4/28/08	**Pump Intake Depth (ft):**	295'	**Static Water Level (ft):**	Artesian
Sample ID:	TR-1	**Ave. Flow Rate (gpm/Lpm)**		**Total Well Depth (ft):**	315.55
Time:	1455	**Purging/Sampling Device:**	Grundfos	**Water Column Length (ft):**	
Analyses:	Semi-Annual Suite	**PID Reading at TOC:**	N/A	**Minimum Purge Volume:**	
QA/QC - Dup ID:	N/A	**Water Level Instrument:**	Keck	**Well Secure - yes/no**	ND
Rinsate ID:	N/A	**Water Quality Meter(s):**	Horiba U-22	**Samplers Name (Print) :**	Andy Kirk
MS/MSD ID:	N/A				

Time	Volume Purged (~~gal~~/L)	Flow Rate (~~gpm~~/Lpm)	Water Level (feet - TOC) ± 0.1 ft	Specific Conductance (mS/cm) 5%	pH ± 0.1	Temp ± 1°C	DO (mg/L) ±10%	ORP (mV) ±10%	Turbidity (NTU) ±10% or <10 NTU	Salinity %	TDS
1430	Pump	Start									
1435	2.0	500 ml	Artesian	1.27	7.77	29.23	9.29	-32	Ø	0.1	0.8
1438	3.5	500ml	—	1.27	7.79	27.67	8.80	-41	Ø	0.1	0.8
1441	5.0	500ml	—	1.27	7.74	27.86	8.79	4	3.4	0.1	0.8
1445	7.0	500ml	—	1.23	7.69	27.92	8.62	-7	2.9	0.1	0.8
1455	Commence Sampling										
1502	Sampling Complete										
	Final Field Parameter Measurements										

Comments:

MONITORING WELL LOW-FLOW PURGE/SAMPLING FORM

MONITORING WELL SAMPLING LOG

PROJECT: Semi-Annual Suite Sitewide Sampling

Well ID:	TR-3	**Screened Interval (ft):**	220-250	**Well Diameter (in)**	4"
Date:	4/28/08	**Pump Intake Depth (ft):**	235	**Static Water Level (ft):**	Artisian
Sample ID:	TR-3	**Ave. Flow Rate (gpm/Lpm)**		**Total Well Depth (ft):**	250'
Time:	1035	**Purging/Sampling Device:**	Grundfos	**Water Column Length (ft):**	250'
Analyses:	Semi-Annual Suite	**PID Reading at TOC:**	N/A	**Minimum Purge Volume:**	
QA/QC - Dup ID:	N/A	**Water Level Instrument:**	Keck	**Well Secure - yes/no**	No
Rinsate ID:	N/A	**Water Quality Meter(s):**	Horiba U-22	**Samplers Name (Print) :**	Andy Kirk / L. Cobos
MS/MSD ID:	N/A				

Time	Volume Purged (~~gal~~/L)	Flow Rate (~~gpm~~/Lpm)	Water Level (feet - TOC) ± 0.1 ft	Specific Conductance (mS/cm) 5%	pH ± 0.1	Temp ± 1°C	DO (mg/L) ±10%	ORP (mV) ±10%	Turbidity (NTU) ±10% or <10 NTU	Salinity %	TDS
1012	Pump	start									
1017	2L	500 ml	—	1.47	7.85	25.85	9.02	7	190	0.1	0.9
1020	3.5	500	—	1.29	7.47	27.75	4.78	-87	39.1	0.1	0.8
1024	5.2	500	—	1.27	7.48	29.90	3.23	-98	30.7	0.1	0.8
1028	6.8	500	—	1.29	7.53	27.96	2.47	-82	8.4	0.1	0.8
1032	8.5	500	—	1.28	7.57	27.93	2.48	-63	2.3	0.1	0.8
1034	9.7	500	—	1.26	7.56	28.70	2.48	-67	1.9	0.1	0.8
1035	Started Sampling										
1119	Sampling & decon of equipment is complete										
	Final Field Parameter Measurements										

Comments:

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: TR-6
Date: 4-25-08
Sample ID: TR-6
Time: 8:30
Dup ID: TR-6 (FD)
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual suite

Screened Interval (ft): 60-80
Pump Intake Depth (ft): 70
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 7007046
WQM Calibrated Date & Time: 4/25/08 / 7:55

Well Diameter (in): 4"
Static Water Level (ft): 38.05
Total Well depth (ft): 80
Water Column Length: 41.95
Minimum Purge Volume:
Samplers Name: DO. AK.
Optimal Pump Setting:
PSI 80 CPM 4 ID: 103
Low-Flow or Net Purge: Low-flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
8:01	Started pump										
8:06	stopped pump		no pump attached to hose								
8:11	Started pump										
8:14	1L	250	38.18	30.9	6.17	23.99	0.32	107	136.0	1.9	19
8:17	2L	400	38.18	30.9	6.09	24.01	0.20	106	44.8	1.9	19
8:20	3L	400	38.18	30.8	5.93	24.05	0.00	106	67.3	1.9	19
8:23	4L	400	38.18	30.1	5.73	24.06	0.00	107	54.8	1.9	19
8:26	5L	400	38.18	30.9	5.65	24.00	0.00	108	60.8	1.9	18
8:30	Started sampling										
8:55	Sampling Complete										

Comments: Well has a dedicated pump we thought no pump attached to hose we checked after no water coming up after we started pump. Tubing in well

artisian

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: TR-5
Date: 4-25-08
Sample ID: TR-5
Time: 10:00
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 221-251
Pump Intake Depth (ft): 236
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-25-08 / 7:55

Well Diameter (in): 4"
Static Water Level (ft): artesian
Total Well depth (ft): 251'
Water Column Length:
Minimum Purge Volume: 1516 ml
Samplers Name: D.O A.K
Optimal Pump Setting:
PSI _____ CPM _____ ID: _____
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
9:22	Started pump - 90 psi			cond,	ID 20	moved to 100 psi	cond	ID 20			
9:25	unable to take reading			1.95	7.25	21.71	12.20	41	1.4	0.1	1.3
9:28	horiba not full			2.14	7.39	21.82	6.20	35	3.5	0.1	1.4
9:31	" "			2.07	7.36	21.91	5.44	33	3.6	0.1	1.4
9:34	water just dripping out		Turned up pressure	2.15	7.52	21.98	4.89	34	1.5	0.1	1.4
9:37	" "			2.16	7.34	21.97	4.88	35	2.3	0.1	1.4
9:40				2.14	7.38	21.97	4.99	36	1.4	0.1	1.3
9:50	1.0 L	40 mL		1.41	7.40	22.00	5.00	34	1.6	0.1	0.9
9:53	1.5L	60 mL		1.40	7.50	22.79	5.60	33	1.8	0.1	0.9
9:56	2L	60 mL		1.39	7.52	22.78	5.70	34	1.9	0.1	0.9
10:00	Started Sampling										
10:18	Sampling Complete										

Comments: Tubing in out - Artesian wells

Page 1 of 5

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: MC-MW-12
Date: 4-24-08
Sample ID: MC-MW-12
Time: 7:50
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi Annual SVOC

Screened Interval (ft): 100-120
Pump Intake Depth (ft): 110
Purging/ Sample Device: Peristaltic Pump
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: Jaz
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 100046
WQM Calibrated Date & Time: 4-24-08 / 7:15

Well Diameter (in): 4"
Static Water Level (ft): 41.90
Total Well depth (ft): 130
Water Column Length: 88.1
Minimum Purge Volume: 3
Samplers Name: DO. AK.
Optimal Pump Setting:
PSI 70 CPM 4 ID: 100
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
7:25	Started Pump										
7:28	1L	350	41.85	1.52	7.58	24.60	1.46	-4	15.5	0.1	1.0
7:31	2L	350	42.10	1.52	6.12	24.87	0.39	2	19.9	0.1	1.0
7:34	3L	300	42.66	1.53	5.90	25.00	0.02	5	20.7	0.1	1.0
7:37	4L	300	42.97	1.53	5.75	24.95	0.00	6	19.2	0.1	1.0
7:40	5L	200	43.34	1.53	5.60	24.95	0.00	9	18.2	0.1	1.0
7:43	6L	200	43.61	1.53	5.64	24.94	0.00	10	17.1	0.1	1.0
7:46	7L	150	43.65	1.53	5.63	24.97	0.00	10	17.1	0.1	1.0
7:50	Started Sampling										
9:05	Sampling Complete										

Comments: 44.4 is maximum draw down

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: MC-MW-11
Date: 4-24-08
Sample ID: MC-MW-11
Time: 9:20
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 100.5 - 120.5
Pump Intake Depth (ft): 110'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 1007046
WQM Calibrated Date & Time: 4-24-08 / 7:15 hrs

Well Diameter (in): 4"
Static Water Level (ft): 58.74
Total Well depth (ft): 160.0
Water Column Length: 101.26
Minimum Purge Volume:
Samplers Name: D.O. A.K.
Optimal Pump Setting:
PSI 90 CPM 4 ID: 101
Low-Flow or Net Purge: Low-flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
8:59	Started pump										
9:03	1L	250	58.99	1.95	6.38	25.59	0.89	-184	12.9	0.1	1.3
9:06	2L	250	59.30	1.95	6.02	25.72	0.41	-184	10.4	0.1	1.3
9:09	3L	400	59.50	1.96	5.70	25.69	0.00	-193	22.5	0.1	1.3
9:12	4L	355	59.55	1.95	5.68	26.33	0.00	-194	22.4	0.1	1.3
9:15	5L	355	59.70	1.95	5.62	26.30	0.00	-193	23.0	0.1	1.3
9:20	Started Sampling										
9:35	Sampling complete										

Comments: 61.24 maximum drawdown
Tubing in well, free product in bladder while cleaning pump no product in ~~tubing~~ Sampling

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

groups

Well ID: AA-BW-08B
Date: 4-24-08
Sample ID: AA-BW-08B
Time: 11:15
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 37.5-57.5
Pump Intake Depth (ft): dedicated pump
Purging/ Sample Device: ~~Bladder~~
PID Reading at TOC: NA
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-24-08/ 7:45

Well Diameter (in): 4"
Static Water Level (ft): 51.65
Total Well depth (ft): 57.5
Water Column Length: 5.85
Minimum Purge Volume:
Samplers Name: DO. A.K
Optimal Pump Setting:
PSI 60 CPM 4 ID: 101
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
10:57	Started pump										
11:00	1.5L	500	51.72	82.4	6.68	27.17	1.50	-269	2.8	4.0	49
11:03	3L	473	51.60	81.6	6.78	27.23	0.30	-271	10.2	4.0	49
11:06	4L	473	51.60	81.3	6.82	27.25	0.00	-268	-4.2	4.0	49
11:09	5L	500	51.60	72.2	6.90	27.24	0.00	-274	-4.2	4.0	46
11:12	6L	500	51.60	60.5	7.00	27.29	0.00	-274	-4.3	4.0	45
11:15	Started sampling										
11:27	Sampling Complete										

Comments: Dedicated pump in well well smelly

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: AA-BW-12A
Date: 4.24-08
Sample ID AA-BW-12A
Time: 12:45
Dup ID: -
Rinsate ID: -
MS/MSD ID: AA-BW-12A (MS/MSD)
Analysis: Semi-Annual Suite

Screened Interval (ft): 49-69
Pump Intake Depth (ft): [illegible] Pump
Purging/ Sample Device: Ded. Peristaltic Pump
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007096
WQM Calibrated Date & Time: 4-24-08 / 7:15

Well Diameter (in): 4"
Static Water Level (ft): 51.35
Total Well depth (ft): 69
Water Column Length: 17.65
Minimum Purge Volume:
Samplers Name: D.O A.K.
Optimal Pump Setting:
PSI 70 CPM 4 ID: 101
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
12:30	Started Pump										
12:33	1L	873	51.40	24.3	6.81	26.57	0.66	-309	775.0	1.5	15
12:36	2L	500	51.50	24.2	6.88	26.60	0.14	-310	786.0	1.5	15
12:39	3L	500	51.65	24.1	6.90	26.53	0.00	-315	843.0	1.5	15
12:42	4L	500	51.70	24.1	6.91	26.51	0.00	-315	541.0	1.5	15
12:45	5L	500	51.70	24.1	6.92	26.56	0.00	-315	538.0	1.5	15
12:45	Started Sampling										
1:29	Sampling Complete										

Comments:
Water Black color & Strong odor

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Red

Well ID: MCF-BW-11
Date: 4-24-08
Sample ID: MCF-BW-11A
Time: 220
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 57-72
Pump Intake Depth (ft): 65
Purging/ Sample Device: Portable Bladder
PID Reading at TOC: NA
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: To07046
WQM Calibrated Date & Time: 4-24-08/ 7:15

Well Diameter (in): 4'
Static Water Level (ft): 48.76
Total Well depth (ft): 74.50
Water Column Length: 25.74
Minimum Purge Volume:
Samplers Name: D.O. A.K
Optimal Pump Setting:
PSI 50 CPM 4 ID: 101
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
152	started pump										
1:58	2L	355	49.88	1.68	5.23	25.97	2.77	61	28.6	0.1	1.1
2:01	3L	240	50.03	1.60	5.08	25.96	2.23	70	22.4	0.1	1.0
2:04	4L	240	50.04	1.60	5.06	25.97	1.95	69	23.6	0.1	1.0
2:07	5L	240	50.05	1.59	5.05	25.90	1.93	69	22.0	0.1	1.1
2:10	6L	240	50.07	1.60	5.05	25.91	1.91	69	21.0	0.1	1.1
2:13	7L	240	50.09	1.61	5.05	25.90	1.90	68	20.0	0.1	1.1
2:20	started Sampling										
2:43	Sampling Complete										

Comments: 50.76 is maximum drawdown
Strong odor
Tubing in well

Page 1 of 6
Red

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: B-4
Date: 4-23-08
Sample ID B-4
Time: 8:00
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft) 49.5-59.5
Pump Intake Depth (ft)
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: IC07046
WQM Calibrated Date & Time: 4-23-08 / 730

Well Diameter (in): 4"
Static Water Level (ft): 43.62
Total Well depth (ft): 64.5
Water Column Length: 20.88
Minimum Purge Volume:
Samplers Name: D.O. AK.
Optimal Pump Setting:
PSI 20 CPM 4 ID: 101
Low-Flow or Net Purge: Low-flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
7:38	Started pump										
7:43	2L	300	43.65	22.3	5.78	25.80	0.07	-156	158.0	1.4	14
7:46	3L	300	43.65	22.2	5.61	25.85	0.00	-156	158.0	1.4	14
7:49	4L	300	43.65	22.3	5.56	25.89	0.00	-157	139.0	1.4	14
7:52	5L	300	43.65	22.2	5.52	25.87	0.00	-157	178.0	1.4	14
7:55	6L	300	43.65	22.3	5.52	25.88	0.00	-155	178.0	1.4	14
8:00	Started sampling										
8:15	Sampling Complete										

Comments: tubing in well little odor

Page 1 of 5

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: MC-MW-9
Date: 4-23-08
Sample ID: MC-MW-9
Time: 9:20
Dup ID: MC-MW-9 (FD)
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi Annual Suite

Screened Interval (ft): 90-120
Pump Intake Depth (ft): 110'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: NA
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U22
Water Quality Meter Serial #: T0070Y6
WQM Calibrated Date & Time: 4-23-08 / 7:30

Well Diameter (in): 4"
Static Water Level (ft): 38.70
Total Well depth (ft): 150'
Water Column Length: 111.3
Minimum Purge Volume:
Samplers Name: A.K. D.O.
Optimal Pump Setting:
PSI 80 CPM 3 ID: 10c
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
8:48	Started Pump										
8:51	1L	300	38.95	1.76	5.79	26.05	2.20	-0	0.6	0.1	1.1
8:54	2L	300	39.40	1.74	5.34	26.18	0.49	21	-1.9	0.1	1.1
8:57	3L	300	39.95	1.74	5.10	26.22	0.05	43	-0.8	0.1	1.1
9:00	4L	300	40.15	1.74	4.99	26.26	0.00	67	0.9	0.1	1.1
9:03	5L	300	40.50	1.72	4.90	26.25	0.00	79	2.2	0.1	1.1
9:06	6L	300	40.70	1.72	4.86	26.27	0.00	84	95.7	0.1	1.1
9:09	7L	300	40.90	1.73	4.85	26.28	0.00	85	25.5	0.1	1.1
9:12	8L	300	41.0	1.72	4.84	26.26	0.00	84	25.6	0.1	1.1
9:20	Started Sampling										
9:50											

Comments: 41.0 the max water draw down on this well Tubing in well (FD)

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: MC-MW-10
Date: 4-23-08
Sample ID: MC-MW-10
Time:
Dup ID:
Rinsate ID:
MS/MSD ID:
Analysis: Semi-Annual Suite

Screened Interval (ft): 85-115
Pump Intake Depth (ft): 100
Purging/ Sample Device: Dextable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 1007046
WQM Calibrated Date & Time: 4-23-08 / 7:30

Well Diameter (in):
Static Water Level (ft): 56.96
Total Well depth (ft): 160'
Water Column Length: 103.04
Minimum Purge Volume:
Samplers Name: D.O. AK
Optimal Pump Setting:
PSI 90 CPM 3 ID: 78
Low-Flow or Net Purge: Low-flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
10:23	started pump										
10:26	1L	300	57.1	36.7	5.78	25.29	1.53	-152	-0.7	2.3	22
10:29	2L	300	57.15	36.2	5.52	25.20	0.00	-157	-0.4	2.3	22
10:32	3L	300	57.15	36.5	5.45	25.24	0.00	-158	1.1	2.3	22
10:35	4L	300	57.12	36.5	5.37	25.23	0.00	-159	8.1	2.3	22
10:38	5L	300	57.12	36.4	5.35	25.24	0.00	-159	13.0	2.3	22
10:45	started sampling										
10:55	sampling complete										

Comments: 60.7L max. draw down

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: PC-028
Date: 4-15-08
Sample ID PC-028
Time: 10:05
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi Annual Suite

Screened Interval (ft) 10-19.5
Pump Intake Depth (ft)
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: D007046
WQM Calibrated Date & Time: 4-15-08/800

Well Diameter (in): 2
Static Water Level (ft): 11.75
Total Well depth (ft): 19.8
Water Column Length: 8.05
Minimum Purge Volume:
Samplers Name: DO, AK
Optimal Pump Setting:
PSI 40 CPM 4 ID: 103
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
10:15	commenced pump										
10:18	1.5L	400mL	11.75	0.871	6.12	24.7	3.71	164	999.0	0.5	5.5
10:21	2L	400mL	11.75	0.875	5.67	24.2	3.15	179	999.0	0.5	5.5
10:24	2.5L	400mL	11.80	0.873	5.47	24.2	2.95	177	999.0	0.5	5.5
10:27	3.5L	400mL	11.82	0.877	5.29	24.0	2.66	188	999.0	0.5	5.5
10:30	4.0L	450mL	11.82	0.875	5.19	24.0	2.53	193	999.0	0.5	5.5
10:33	5L	450mL	11.82	0.873	5.13	23.9	2.34	197	995.0	0.5	5.5
10:36	6L	450mL	11.82	0.873	5.10	23.9	2.21	204	618.0	0.5	5.5
10:45	started sampling										
10:54	Sampling complete										

Comments:

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi Annual

Well ID: PC-055
Date: 4-15-08
Sample ID PC-055
Time: 1200
Dup ID: ~
Rinsate ID: ~
MS/MSD ID: ~
Analysis: Semi Annual Suite

Screened Interval (ft) 14-54
Pump Intake Depth (ft) 40'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-15-08/ 850

Well Diameter (in): 6
Static Water Level (ft): 26.44
Total Well depth (ft): ~~26~~ 53.60
Water Column Length: 27.16
Minimum Purge Volume:
Samplers Name: DD. AK
Optimal Pump Setting:
PSI 50 CPM 4 ID: 103
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
11:31	Commenced pump										
11:34	1L	300mL	26.42	1.10	6.89	25.5	3.27	157	-1.0	0.6	7
11:37	2L	450 mL	26.42	1.12	6.28	25.4	2.15	142	-1.3	0.6	7
11:40	3L	450 mL	26.43	1.11	6.16	25.3	1.95	133	-1.1	0.6	7
11:43	4L	450mL	26.43	1.11	6.00	25.3	1.87	121	-1.1	0.6	7
11:46	5L	450mL	26.43	1.11	5.96	25.3	1.76	115	-1.3	0.6	7
1200pm	Start sampling										
1209pm	Sampling Complete										

Comments:

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID:	MW-K5	Screened Interval (ft)	28.5-43.5	Well Diameter (in):	2
Date:	4-15-08	Pump Intake Depth (ft)	35'	Static Water Level (ft):	29.46
Sample ID	MW-K5	Purging/ Sample Device:	Portable bladder	Total Well depth (ft):	45.70
Time:	1:25	PID Reading at TOC:	N/A	Water Column Length:	16.24
Dup ID:	–	Water Level Instrument :	Keck	Minimum Purge Volume:	
Rinsate ID:	–	WLI Serial #:	562	Samplers Name:	DO AK
MS/MSD ID:	–	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	
Analysis:	Semi-Annual suite	Water Quality Meter Serial #:	T007046	PSI 40 CPM 4 ID: 103	
		WQM Calibrated Date & Time:	4-15-08/1:25	Low-Flow or Net Purge:	

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1:35 pm	commenced pump										
1:38 pm	.5L	450	29.45	0.93	5.60	24.5	2.83	179	999.0	0.5	6
1:41 pm	2L	450	29.47	0.93	5.39	24.4	3.40	158	999.0	0.5	6
1:44 pm	3L	450	29.47	0.93	5.38	24.4	3.91	145	871.0	0.5	6
1:47 pm	4L	450	29.47	0.93	5.39	24.3	5.27	127	712.0	0.5	6
1:50 pm	5L	450	29.47	0.93	5.40	24.3	6.81	118	649.0	0.5	6
1:53 pm	6L	450	29.47	0.93	5.40	24.3	8.25	112	477.0	0.5	6
1:56 pm	7L	450	29.47	0.93	5.38	24.3	10.00	109	500.0	0.5	6
2:00 pm	started sampling										
2:11 pm	sampling complete										

Comments:

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: PC-077
Date: 4-15-08
Sample ID PC-077
Time:
Dup ID: –
Rinsate ID: –
MS/MSD ID: –
Analysis: Semi Annual Suite

Screened Interval (ft) 29.5-39.5
Pump Intake Depth (ft) 35'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-15-08/

Well Diameter (in): 2'
Static Water Level (ft): [redacted] 7.95
Total Well depth (ft): 39.00
Water Column Length: 31.05
Minimum Purge Volume:
Samplers Name: DO AK
Optimal Pump Setting:
PSI 30 CPM 4 ID: 103
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
3:01	connected pump										
3:04 pm	1L	400	8.5	0.684	5.44	23.1	2.99	176	182.0	0.4	4.3
3:07 pm	2L	300	8.6	0.679	5.27	23.1	2.19	148	179.0	0.4	4.3
3:10 pm	3L	300	8.7	0.681	5.27	23.1	2.42	141	173.0	0.4	4.3
3:13 pm	4.5L	250	8.7	0.683	5.47	23.3	6.33	108	271.0	0.4	4.3
3:16	5.5L	250	8.7	0683	5.51	23.3	6.41	105	239.0	0.4	4.3
3:19	6.5L	250	8.7	0.682	5.53	23.3	6.32	103	236.0	0.4	4.3
3:22	7.5L	250	8.7	0682	5.54	23.3	6.20	99	211.0	0.4	4.3
3:25	8.5 L	250	8.7	0.682	5.55	23.3	6.00	96	190.0	0.4	4.3
3:30pm	started	sampling									
3:45pm	sampling	complete									

Comments:

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: MW-8
Date: 4-25-08
Sample ID: MW-8
Time: 12:20
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi Annual Suite

Screened Interval (ft): 275-295
Pump Intake Depth (ft): 285
Purging/ Sample Device: GrundFos
PID Reading at TOC: NA
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T0070416
WQM Calibrated Date & Time: 4-25-08/7:55

Well Diameter (in): 4"
Static Water Level (ft): artesian
Total Well depth (ft): 300
Water Column Length:
Minimum Purge Volume:
Samplers Name: D.O. AK
Optimal Pump Setting:
PSI_____ CPM_____ ID:_____
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
12:01	Started	pump	Artesian								
12:09	5L	500		1.37	7.72	25.97	7.61	-5	215.0	0.1	0.9
12:12	6L	500		1.37	7.83	26.19	6.70	6	564.0	0.1	0.9
12:15	7L	500		1.36	7.81	25.60	7.72	9	590.0	0.1	0.9
12:18	8L	500		1.35	7.77	25.73	7.00	10	449.0	0.1	0.9
12:20	started sampling										
12:28	sampling complete										

Comments: Got water to sound did our first reading 12:09

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi - Annual

Well ID: PC-002
Date: 4-15-08
Sample ID PC-002
Time: 12:15
Dup ID: N/A
Rinsate ID: —
MS/MSD ID: —
Analysis: Semi-Annual Suite

Screened Interval (ft) 16.7-31.7
Pump Intake Depth (ft)
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 7007046
WQM Calibrated Date & Time: 4-15-08 / 12:15

Well Diameter (in): 2'
Static Water Level (ft): 23.63
Total Well depth (ft): 33.45
Water Column Length: 9.82
Minimum Purge Volume:
Samplers Name: D.O. A.K
Optimal Pump Setting:
PSI 40 CPM 4 ID: 103
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
12:33	Commenced pump										
12:36	1L	355	23.63	0.764	5.00	25.6	3.40	206	999.0	0.4	4.7
12:39	2L	400	23.60	0.748	4.84	25.4	11.59	195	768.0	0.4	4.7
12:42	4L	400	23.60	0.749	4.84	25.3	16.71	197	700.0	0.4	4.7
12:45	5L	400	23.50	0.757	4.83	25.3	19.99	192	530.0	0.4	4.7
12:48	6.5L	400	23.50	0.754	4.86	25.3	19.99	190	430.0	0.4	4.7
12:51	7.5L	400	23.50	0.752	4.82	25.3	19.99	186	326.0	0.4	4.7
1pm	started sampling										
1:09	sampling complete										

Comments:

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: AA-MW-7
Date: 4-23-08
Sample ID AA-MW-7
Time: 11:54
Dup ID: —
Rinsate ID: —
MS/MSD ID: —
Analysis: Semi-Annual/Suite

Screened Interval (ft): 30.5-70.5
Pump Intake Depth (ft): 50'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-23-08/720

Well Diameter (in): 4'
Static Water Level (ft): 39.03
Total Well depth (ft): 90'
Water Column Length: 50.97
Minimum Purge Volume:
Samplers Name: DO AL
Optimal Pump Setting:
PSI ~~40~~ CPM 4 ID: 103
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
11:23	Started pump										
11:28	.5L	300	39.10	44.8	5.66	28.85	0.24	-129	37.9	2.9	27
11:31	1L	300	39.10	44.7	5.66	26.00	0.39	-132	32.2	2.9	27
11:34	3L	300									
11:37	stopped water stopping before cycle is complete checking bladder										
11:45	started pump again										
11:46	5L	400	39.10	43.5	5.35	25.59	1.28	-130	27.2	2.8	27
11:49	5.5L	400	39.10	43.6	5.35	25.56	0.63	-140	26.1	2.8	27
11:52	6.5L	400	39.10	43.7	5.36	25.48	0.60	-139	27.2	2.8	27
11:54	Started sampling										
12:15											

Comments: 41.77 is maximum drawdown
bladder collapsed
have to unload equiptment and carry it to well unable to get vehical close to well.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: TR-11
Date: 4-23-08
Sample ID TR-11
Time: 1:35
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 210-230
Pump Intake Depth (ft): 220
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: TC07046
WQM Calibrated Date & Time: 4-23-08/730

Well Diameter (in): 4"
Static Water Level (ft): Top artesian
Total Well depth (ft): 230
Water Column Length:
Minimum Purge Volume:
Samplers Name: D.O.
Optimal Pump Setting:
PSI 110 CPM 2 ID: 50
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
12:56	Started pump										
1:15	1L	300	Top	1.71	7.41	25.59	6.17	64	1.9	0.1	1.1
1:18	2L	300	Top	1.70	7.47	25.57	6.06	62	0.8	0.1	1.1
1:21	3L	300	Top	1.70	7.43	25.54	5.95	61	-0.6	0.1	1.1
1:24	4L	300	Top	1.70	7.44	25.54	5.96	60	-1.6	0.1	1.1
1:27	5L	300	Top	1.70	7.45	25.55	5.98	60	-1.4	0.1	1.1
1:35	Started sampling										
1:42	Stopped bladder collapsed at 110 psi replaced										
1:51	Stopped to replace bladder again at 90 psi								started back up at 100 psi collapsed again didnt work turned psi to 100		
1:59	Started again bladder was good water just dripping out of water tube										
2:15	Stopped changed gas tanks										
2:15	started pump again at 100 psi still just dripping out on last 1L Amber										
2:37	Sampling Complete										

Comments: Tubing cut to exact depth of well
Started 12:56 1:15 pm pressure built up close bottom valve to build pressure. (first closed all the time dont open it)
(Bottom Valve)

3 Tubing in plastic bag wouldnt go down all the way into well

Page 1 of 1

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: B-1
Date: 4-22-08
Sample ID B-1
Time: 8:15
Dup ID:
Rinsate ID:
MS/MSD ID:
Analysis: Semi-Annual Suite

Screened Interval (ft) 44.5-55.5
Pump Intake Depth (ft)
Purging/ Sample Device: Portable bladder
PID Reading at TOC: NA
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 1007046
WQM Calibrated Date & Time: 4-22-08/7:40am

Well Diameter (in): 4"
Static Water Level (ft): 39.89
Total Well depth (ft): 59.5
Water Column Length: 19.61
Minimum Purge Volume:
Samplers Name: D.O. A.G.
Optimal Pump Setting:
PSI 20 CPM 4 ID: 103
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
7:57	started pump										
8:00	1L	400	39.89	27.2	6.07	25.21	0.45	97	472.0	1.7	17
8:03	2L	400	40.00	27.1	5.88	25.38	0.00	79	223.0	1.7	17
8:06	3L	400	40.01	27.0	5.85	25.41	0.00	79	225.0	1.7	17
8:09	4L	400	40.01	27.0	5.81	25.48	0.00	78	233.0	1.7	17
8:12	5L	400	40.01	27.0	5.79	25.40	0.00	77	234.0	1.7	17
8:15	Started sampling										
8:30	Sampling Complete										

Comments: Tubing in well

2nd

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: DPT-1
Date: 4-22-08
Sample ID: DPT-1
Time: 9:15
Dup ID: –
Rinsate ID: –
MS/MSD ID: –
Analysis: Semi-Annual Suite

Screened Interval (ft): 114-129'
Pump Intake Depth (ft): 120'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-22-08/7:40am

Well Diameter (in): 4"
Static Water Level (ft): 35.30
Total Well depth (ft): 129
Water Column Length: 9.37
Minimum Purge Volume:
Samplers Name: D.O. A.K.
Optimal Pump Setting:
PSI 100 CPM 4 ID: 103
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
8:57	Started pump										
9:00	1L	355	35.30	1.43	5.82	25.47	1.33	79	139.0	0.1	0.9
9:03	2L	400	35.80	1.42	5.64	25.45	0.59	76	145.0	0.1	0.9
9:06	3L	400	35.84	1.42	5.66	25.43	0.42	75	144.0	0.1	0.9
9:09	4L	400	35.84	1.42	5.55	25.46	0.16	75	148.0	0.1	0.9
9:12	5L	400	36.0	1.42	5.57	25.48	0.14	75	149.0	0.1	0.9
9:15	Started Sampling										
9:30	Sampling Complete										

Comments: Tube in well

Red

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: GW-EC-7
Date: 4-22-08
Sample ID: GW-EC-7
Time: 10:20
Dup ID:
Rinsate ID:
MS/MSD ID:
Analysis: Semi-Annual Suite

Screened Interval (ft): 47-62
Pump Intake Depth (ft): 60'
Purging/ Sample Device: Portable Bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 1007046
WQM Calibrated Date & Time: 4-22-08/ 740

Well Diameter (in): 2"
Static Water Level (ft): 53.3
Total Well depth (ft): 65'
Water Column Length: 11.7
Minimum Purge Volume:
Samplers Name: DO. AK
Optimal Pump Setting:
PSI 70 CPM 4 ID: 103
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
10:02	started pump										
10:05	1L	400	53.3	16.3	5.74	26.91	1.18	-215	999.0	1.0	10
10:08	2L	400	53.3	16.2	5.64	26.99	0.00	-214	516.0	1.0	10
10:11	3L	400	53.25	16.1	5.63	27.00	0.00	-212	324.0	0.9	10
10:14	4L	400	53.25	16.0	5.61	27.01	0.38	-210	164.0	0.9	10
10:17	5L	400	53.25	15.9	5.61	27.01	0.40	-209	165.0	0.9	10
10:20	started sampling										
10:33	Sampling Complete										

Comments: water brown color ~~lite~~ odor. when we started got stronger as we went on.

Had

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: EC-02
Date: 4-22-08
Sample ID EC-02
Time: 11:45
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 50-70
Pump Intake Depth (ft): 64'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Heck
WLI Serial #: 362
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T0020946
WQM Calibrated Date & Time: 4-22-08/8:40

Well Diameter (in): 4"
Static Water Level (ft): 56.25
Total Well depth (ft): 65'
Water Column Length: 8.75
Minimum Purge Volume:
Samplers Name: D.O. AK
Optimal Pump Setting:
PSI 70 CPM 4 ID: 10B
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
11:25	Started Pump										
11:28	1L	400mL	56.50	29.8	6.12	27.16	3.72	-208	169.0	1.9	15
11:31	2L	400mL	56.50	29.7	5.93	27.03	1.79	-218	452.0	1.9	18
11:34	3L	400mL	56.55	29.7	5.91	27.02	1.57	-219	866.0	1.9	18
11:37	4L	400mL	56.55	29.7	5.90	27.02	1.54	-219	1050	1.9	18
11:40	5L	400mL	56.55	29.7	5.90	27.00	1.44	-220	702.0	1.9	18
11:45	Started Sampling										
11:54	Sampling Complete.										

Comments: well depth is 65' not 70' well smells.

2nd

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: EC-1
Date: 4-22-07
Sample ID EC-1
Time: 1:00 pm
Dup ID: -
Rinsate ID:
MS/MSD ID: EC-1 (MS/MSD)
Analysis: Semi-Annual Suite

Screened Interval (ft) 50-70
Pump Intake Depth (ft) 65'
Purging/ Sample Device: Portable bladder
PID Reading at TOC:
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-22-08 / 7:40 am

Well Diameter (in): 4"
Static Water Level (ft): 54.50
Total Well depth (ft): 70
Water Column Length: 15.50
Minimum Purge Volume:
Samplers Name: D.O. A.C.
Optimal Pump Setting:
PSI 60 CPM 4 ID: 10%
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
12:38	Started pump										
12:41	1L	400	54.65	99.9	6.10	25.44	0.99	-45	49.8	4.0	99
12:44	2L	400	54.68	99.9	5.83	25.23	0.30	-15	82.4	4.0	99
12:47	3L	400	54.69	99.9	5.64	25.0	0.00	23	552.0	4.0	99
12:50	4L	400	54.70	99.9	5.60	25.15	0.00	26	336.0	4.0	99
12:53	5L	400	54.70	99.9	5.59	25.05	0.00	28	334.0	4.0	99
12:56	6L	400	54.70	99.9	5.57	25.09	0.00	30	331.0	4.0	99
1:00	Started sampling										
1:23	sampling complete										

Comments: light odor water cloudy

Red

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: B-7
Date: 4-22-08
Sample ID B-7
Time: 2:5
Dup ID:
Rinsate ID:
MS/MSD ID:
Analysis: Semi-Annual Suite

Screened Interval (ft) 44.5-54.5
Pump Intake Depth (ft) 58'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: NA
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: TOO2046
WQM Calibrated Date & Time: 4-22-08 / 780

Well Diameter (in): 4'
Static Water Level (ft): 53.41
Total Well depth (ft): 59.5
Water Column Length: 6.09
Minimum Purge Volume:
Samplers Name: D.O. Ak
Optimal Pump Setting:
PSI 20 CPM 4 ID: 100
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1:54	Started pump										
1:58	1.5L	400	53.42	16.4	5.49	25.56	1.64	-118	12.3	1.0	11
2:01	2.5L	400	53.44	17.5	5.44	25.52	0.20	-118	13.8	1.0	11
2:04	3.5L	400	53.46	17.6	5.42	25.42	0.00	-116	17.5	1.0	11
2:07	4.5L	400	53.46	17.6	5.41	25.43	0.00	-115	16.2	1.0	11
2:10	5.5L	400	53.47	17.6	5.42	25.43	0.00	-115	16.0	1.0	11
2:15	Started sampling										
2:35	Sampling complete										

Comments: Purge the least amount of H20 as possible as the tubing was cut a little to short.

Page 1 of 1

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: AA-MW-14
Date: 4-22-08
Sample ID AA-MW-14
Time: 9:40
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 33-53
Pump Intake Depth (ft): 45'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-22-08/8 20am

Well Diameter (in): 4"
Static Water Level (ft): 38.35
Total Well depth (ft): 53.5
Water Column Length: 15.15
Minimum Purge Volume:
Samplers Name: DO. AK
Optimal Pump Setting:
PSI 60 CPM 4 ID: 103
Low-Flow or Net Purge: Low Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
9:15	started pump										
9:18	1L	400mL	38.50	31.1	5.74	29.25	0.15	74	46.9	1.9	19
9:21	2L	400mL	38.55	30.5	5.76	29.63	0.00	70	23.9	1.9	19
9:23	3L	400mL	38.58	30.3	5.76	29.63	0.00	69	15.9	1.9	19
9:26	4L	400mL	38.58	30.3	5.76	29.30	0.00	70	16.0	1.9	19
9:29	5L	400mL	38.59	29.7	5.76	29.30	0.00	70	15.9	1.9	19
9:32	6L	400mL	38.59	29.5	5.76	29.30	0.00	71	16.1	1.9	19
9:40	Started Sampling										
9:50	Sampling Complete										

Comments: tubing in well

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: EC-9
Date: 4-21-08
Sample ID: EC-9
Time: 10:45
Dup ID: –
Rinsate ID: –
MS/MSD ID: –
Analysis: Semi-Annual Suite

Screened Interval (ft): 43.5-53.5
Pump Intake Depth (ft): 56'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 567
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T0072046
WQM Calibrated Date & Time: 4-21-08 / 820

Well Diameter (in): 2"
Static Water Level (ft): 49.0
Total Well depth (ft): 59.5
Water Column Length: 10.5
Minimum Purge Volume:
Samplers Name: D.O. A.K.
Optimal Pump Setting:
PSI 60 CPM 4 ID: 103
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
10:22	Start	pump	~~49.0~~								
10:25	1L	400mL	49.5	38.9	6.60	29.63	0.12	-230	279.0	2.5	24
10:28	2L	400mL	50.0	38.7	6.49	29.67	0.01	-229	185.0	2.4	23
10:31	3L	400mL	50.01	37.5	6.46	29.70	0.00	-230	119.0	2.4	23
10:34	4L	400mL	50.01	37.2	6.40	29.74	0.00	-236	91.4	2.4	23
10:37	5L	400mL	50.01	37.1	6.39	27.75	0.00	-236	86.2	2.4	23
10:40	6L	400mL	50.01	37.1	6.40	27.75	0.00	-237	86.1	2.4	23
10:45	start	sampling									
10:58	Sampling	complete									

Comments: Tubing in well black color in water extremely nasty odor.

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: GW-EC-6
Date: 4-21-08
Sample ID: GW-EC-6
Time: 12:10 pm
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 50.5-65.5
Pump Intake Depth (ft): 65'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 7007046
WQM Calibrated Date & Time: 4-21-08/820

Well Diameter (in): 2'
Static Water Level (ft): 57.32
Total Well depth (ft): 68.5
Water Column Length: 11.18
Minimum Purge Volume:
Samplers Name: D.O A.K
Optimal Pump Setting:
PSI 70 CPM 4 ID: 103
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
11:47	started	pump									
11:51	1L	400	57.20	8.97	5.93	31.66	0.21	-130	328.0	0.5	5.9
11:54	2L	400	57.1	7.87	5.98	42.16	0.03	-129	358.0	0.4	5.1
11:57	3L	400	57.0	8.40	6.02	42.19	0.00	-132	347.0	0.5	5.3
12:00	4L	400	56.9	8.48	6.02	41.25	0.00	-139	290.0	0.5	5.4
12:03	5L	400	56.9	8.45	6.02	39.99	0.00	-141	259.0	0.5	5.5
12:06	6L	400		8.44	6.02	41.0	0.00	-142	253.0	0.5	5.4
12:10	started	sampling									
12:26	sampling	complete									

Comments: Tubing in well marked @ W-A both tubes clear

Red

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: EC-03
Date: 4-21-08
Sample ID EC-03
Time: 2:10
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft) 50-70
Pump Intake Depth (ft) 65'
Purging/ Sample Device: Dedicated Bladder
PID Reading at TOC: NT
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 1007046
WQM Calibrated Date & Time: 4-21-08 / 8:20am

Well Diameter (in): 4"
Static Water Level (ft): 42.75
Total Well depth (ft): 70.00
Water Column Length: 27.25
Minimum Purge Volume:
Samplers Name: DO - AK
Optimal Pump Setting:
PSI 60 CPM 4 ID: 101
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1:47	Started pump										
1:50	1L	400	42.76	10.4	6.23	30.28	0.03	-11	47.8	0.8	8
1:53	2L	400	42.80	12.5	5.66	45.00	0.00	32	38.1	0.7	8
1:56	3L	400	42.83	12.5	5.59	44.58	0.00	34	37.2	0.7	8
1:59	4L	400	43.00	12.5	5.56	44.44	0.00	32	36.5	0.7	8
2:02	5L	400	43.00	12.3	5.55	44.43	0.00	30	39.5	0.7	8
2:05	6L	400	43.00	12.3	5.54	44.42	0.00	39	40.0	0.7	8
2:10	Started Sampling										
2:20	Sampling complete										

Comments: Tubing in well

Rad

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi. Annual

Well ID: AA-MW-13
Date: 4-21-08
Sample ID: AA-MW-13
Time:
Dup ID:
Rinsate ID:
MS/MSD ID:
Analysis: Semi-Annual Suite

Screened Interval (ft): 31.5-61.5
Pump Intake Depth (ft): 60'
Purging/ Sample Device: Portable Bladder
PID Reading at TOC: NA
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: To07046
WQM Calibrated Date & Time: 4-21-08 / 8:20

Well Diameter (in): 4"
Static Water Level (ft): 34.89
Total Well depth (ft): 70.00
Water Column Length: 35.11
Minimum Purge Volume:
Samplers Name: DO. AK
Optimal Pump Setting:
PSI 70 CPM 4 ID: .106
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
2:59	Started pump										
3:03	.5L	400	34.90	24.1	10.90	41.98	0.00	-174	13.6	1.5	15
3:06	1.5L	400	35.15	22.5	10.65	51.73	0.00	-177	8.6	1.4	14
3:09	2.5L	400	35.15	26.6	10.57	49.03	0.00	-174	10.0	1.6	16
3:12	3.5L	400	35.15	25.6	10.37	49.06	0.00	-172	9.0	1.6	16
3:15	4.5L	400	35.15	25.6	10.30	48.84	0.00	-177	8.0	1.6	17
3:20	started sampling										
3:30	Sampling Complete										

Comments: Tubing in well

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: GW-EC10
Date: 4-19-08
Sample ID: GW-EC10
Time: 8:00
Dup ID: –
Rinsate ID: \
MS/MSD ID: –
Analysis: Semi-Annual Suite

Screened Interval (ft): 38.5-53.5
Pump Intake Depth (ft): 50
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: ~~Horiba~~
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-19-08/7:15

Well Diameter (in): 2
Static Water Level (ft): 43.35
Total Well depth (ft): 59.30
Water Column Length: 15.95
Minimum Purge Volume:
Samplers Name: D.O. A.K
Optimal Pump Setting:
PSI 60 CPM 4 ID: 103
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
7:40	Started pump										
7:45	1L	450	43.35	2.76	5.68	27.25	3.60	217	613.0	0.1	1.8
7:48	2.5L	450	43.35	2.79	5.67	27.35	3.33	214	289.0	0.1	1.8
7:51	3.5L	450	43.35	2.83	5.71	27.38	3.08	211	278.0	0.1	1.8
7:54	5L	450	43.35	2.85	5.71	27.59	2.66	210	242.0	0.1	1.8
7:57	6L	450	43.35	2.86	5.71	27.56	2.57	209	288.0	0.1	1.8
8:00	Started sampling										
8:21	Sampling complete										

Comments: Tubing in well

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: H-11
Date: 4-19-08
Sample ID H-11
Time: 9:45
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 95-105
Pump Intake Depth (ft): 100'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: NA
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba-U22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-19-08 / 7:15

Well Diameter (in): 6"
Static Water Level (ft): 69.88
Total Well depth (ft): 103.
Water Column Length: 34.13
Minimum Purge Volume:
Samplers Name: D.O. A.K.
Optimal Pump Setting:
PSI 90 CPM 4 ID: 103
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
9:09	started	pump									
9:22	1L	450	69.88	0.682	7.66	60.00	0.00	-8	19.7	0.0	0.41
9:25	2L	450	69.40	0.586	5.15	60.00	0.00	17	18.3	0.0	0.37
9:28	3L	450	69.48	0.588	5.08	60.00	0.00	7	16.5	0.0	0.38
9:31	4L	450	69.48	0.607	5.08	60.00	0.00	7	17.0	0.0	0.38
9:34	5L	450	69.47	0.590	5.07	60.00	0.00	-4	20.1	0.0	0.38
9:37	6L	450	69.42	0.589	5.08	60.00	0.00	-16	21.9	0.0	0.38
9:40	7L	450	69.48	0.592	5.10	60.00	0.00	-20	23.2	0.0	0.38
9:45	started	sampling									
9:56	sampling	complete									

Comments: Temp: Flashing at 60°C
Key 3210 did not work on lock we pulled monument colum up to get to PVC.
Water gray color odor

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: MW-1
Date: 4-19-08
Sample ID: MW-1
Time: 10:45
Dup ID: –
Rinsate ID: –
MS/MSD ID: –
Analysis: Semi-Annual Suite

Screened Interval (ft): 84-104
Pump Intake Depth (ft): 103'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: Z007046
WQM Calibrated Date & Time: 4-19-08 / 7:45

Well Diameter (in): 6"
Static Water Level (ft): 60.53
Total Well depth (ft): 114.0
Water Column Length: 53.47
Minimum Purge Volume: ~~D.O. A.K~~
Samplers Name: D.O. A.K
Optimal Pump Setting:
PSI 20 CPM 4 ID: 101
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
10:15	started pump										
10:18	1L	400	60.54	0.685	5.90	60.00	0.41	202	32.7	0.0	0.02
10:18	stopped to recalibrate										
10:28	started pump again										
10:31	2L	400ml	61.50	0.688	4.12	60.00	0.32	172	6.14	0.0	0.45
10:34	3L	400ml	61.50	0.695	5.03	60.00	0.34	171	9.7	0.0	0.44
10:37	4L	400ml	61.50	0.641	5.04	60.00	0.34	172	8.8	0.0	0.44
10:45	started sampling										
10:56	sampling complete										

Comments: 10:18 stopped temp: at 60.00 stopped recalibrated to try and fix it
no luck started back up at 10:28 am
Temp still at 60.00°c

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: AA-MW5
Date: 4-19-08
Sample ID AA-MW-5
Time: 12:05
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 30.5-60.5
Pump Intake Depth (ft): 55'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-19-08/7:15

Well Diameter (in): 6"
Static Water Level (ft): 50.36
Total Well depth (ft): 64.0
Water Column Length: 13.64
Minimum Purge Volume:
Samplers Name: D.O. AK
Optimal Pump Setting:
PSI 20 CPM 4 ID: 103
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
11:22	started pump										
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
11:39	started pump										
11:44	1.5L	400	50.79	3.19	5.45	30.69	3.42	140	0.0	0.2	2.1
11:47	2.5L	400	50.81	3.30	5.31	29.13	3.00	146	0.0	0.2	2.1
11:50	3.5L	400	50.83	3.31	5.25	28.89	2.69	147	0.0	0.2	2.1
11:53	4.5L	400	50.90	3.31	5.23	28.84	2.65	150	0.0	0.2	2.1
11:56	5.5L	400	51.0	3.32	5.21	28.80	2.62	152	0.0	0.2	2.1
12:05	started sampling										
12:13	sampling complete										

Comments: 11:22 started pump had bladder problems had to replace it restarted at 11:39 AM

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: CP-1
Date: 4-19-08
Sample ID CP-1
Time: 1:30
Dup ID:
Rinsate ID:
MS/MSD ID: CP-1 MS/MSD
Analysis: Semi-Annual Suite

Screened Interval (ft): 115-125
Pump Intake Depth (ft): 110'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 1007046
WQM Calibrated Date & Time: 4-19-08/ 7:15

Well Diameter (in):
Static Water Level (ft): 36.20 Btoc
Total Well depth (ft): 129 Ft Btoc
Water Column Length: 92.8
Minimum Purge Volume:
Samplers Name: DO A.K.
Optimal Pump Setting:
PSI 90 CPM 3 ID: SS
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1:00	Started	pump									
1:03	1.5L	400 mL	37.1	1.09	5.15	33.86	0.95	170	42.5	0.0	0.7
1:06	2.5L	400 mL	37.3	1.08	5.04	32.77	1.17	175	32.9	0.0	0.7
1:09	3.5L	400 mL	37.3	1.10	4.92	33.20	1.56	185	16.0	0.0	0.7
1:12	4.5L	400mL	37.4	1.10	4.89	34.56	2.15	186	6.8	0.0	0.7
1:15	5.5L	400mL	37.4	1.08	4.69	35.09	1.38	189	0.0	0.0	0.7
1:18	6.5L	400mL	37.4	1.08	4.67	35.00	1.36	189	0.0	0.0	0.7
1:30	started	sampling									
1:55	sampling	complete.									

Comments:

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi - Annual

Well ID: H-13
Date: 4-19-08
Sample ID H-13
Time: 3.00 pm
Dup ID: —
Rinsate ID: —
MS/MSD ID: —
Analysis: Semi-Annual Suite

Screened Interval (ft) OH
Pump Intake Depth (ft) 70'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-19-08 / 7:15

Well Diameter (in): 10"
Static Water Level (ft): 38.0
Total Well depth (ft): 80
Water Column Length: 42.0
Minimum Purge Volume:
Samplers Name: DO. AK.
Optimal Pump Setting:
PSI 20 CPM 4 ID: 103
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
2:40	Started pump										
2:43	1L	400	38.1	1.25	6.89	29.40	7.52	140	29.3	0.1	0.8
2:46	2L	400	38.16	1.27	6.62	28.56	7.63	150	8.4	0.1	0.8
2:49	3L	400	38.16	1.31	6.49	28.43	7.58	157	0.0	0.0	0.8
2:52	4L	400	38.20	1.32	6.46	27.98	7.61	160	0.0	0.1	0.8
2:55	5L	400	38.20	1.32	6.42	27.96	7.58	162	0.0	0.1	0.8
3:00	Started Sampling										
3:15	Sampling Complete										

Comments:

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi Annual

Well ID: MW-4
Date: 4-18-08
Sample ID: MW-4
Time: 9:10
Dup ID: MW-4 (FD)
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi Annual Suite

Screened Interval (ft): 13-43
Pump Intake Depth (ft): 30'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument: Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T0070046
WQM Calibrated Date & Time: 4-18-08/8:00am

Well Diameter (in): 2
Static Water Level (ft): 15.75
Total Well depth (ft): 36.70
Water Column Length: 20.95
Minimum Purge Volume:
Samplers Name: AK, D.O.
Optimal Pump Setting:
PSI 50 CPM 4 ID: 100
Low-Flow or Net Purge: Low - Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
8:36	Started pump										
8:39	1L	400	15.75	0.541	5.78	23.8	3.47	218	140.0	0.3	3.4
8:42	2L	400	15.75	0.541	5.67	23.9	3.38	220	64.1	0.3	3.4
8:46	3L	400	15.75	0.540	5.57	23.9	3.29	219	29.8	0.3	3.4
8:49	4L	400	15.76	0.540	5.55	23.9	3.25	219	25.3	0.3	3.4
8:52	5L	400	15.76	0.540	5.54	24.0	3.25	215	20.7	0.3	3.4
8:55	6L	400	15.76	0.540	5.55	24.0	3.24	215	20.5	0.3	3.4
9:10	start Sampling										
9:22	Sampling complete										

Comments: Call Ted Moore at office 547-6656 Cell 526-4003 to get into gated area
tube in well

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: EC-4
Date: 4-18-08
Sample ID EC-4
Time: 11:05
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft): 50-70
Pump Intake Depth (ft): 62'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 7007046
WQM Calibrated Date & Time: 4-18-08/8:00AM

Well Diameter (in): 4"
Static Water Level (ft): 47.70
Total Well depth (ft): 70.0
Water Column Length: 22.30
Minimum Purge Volume:
Samplers Name: DO. AK
Optimal Pump Setting:
PSI 70 CPM 4 ID: 101
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
10:42	Started pump										
10:45	1L	400mL	47.7	0.400	5.79	25.8	7.28	212	13.7	0.2	2.6
10:48	2L	400mL	47.7	0.400	5.62	25.8	6.51	212	14.1	0.2	2.6
10:51	3L	400mL	48.81	0.401	5.37	25.9	4.84	202	17.7	0.2	2.6
10:54	4L	400mL	48.1	0.401	5.38	25.9	4.76	200	15.1	0.2	2.6
10:57	5L	400mL	48.2	0.402	5.35	25.9	5.05	193	11.16	0.2	2.6
10:55	6L	400mL	48.25	0.402	5.36	25.9	8.64	187	12.0	0.2	2.6
10:58	7L	400mL	48.30	0.404	5.36	25.9	11.22	186	13.8	0.2	2.6
11:01	8L	400mL	48.30	0.405	5.36	25.9	12.37	182	12.6	0.2	2.6
11:05	Started sampling										
11:21	Sampling Complete										

Comments: well has tube inside

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi - Annual

Well ID: MW-48
Date: 4-17-08
Sample ID MW-48
Time:
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft) 6.1-36.1
Pump Intake Depth (ft) 32'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 7007046
WQM Calibrated Date & Time: 4-17-08/ 8:30

Well Diameter (in): 2'
Static Water Level (ft): 27.55
Total Well depth (ft): 36.50
Water Column Length: 5.95
Minimum Purge Volume:
Samplers Name: D.O. A.K.
Optimal Pump Setting:
PSI 60 CPM 4 ID: 101
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
8:41	Started pump										
8:44	1L	400	27.55	0.413	5.45	24.1	1.71	229	8.6	0.2	2.7
8:49	2.5L	450	27.55	0.417	5.47	24.5	1.59	233	8.6	0.2	2.7
8:54	4.5L	450	27.55	0.418	5.45	24.5	1.65	234	10.1	0.2	2.7
8:59	6.5L	450	27.55	0.418	5.47	24.5	1.98	235	8.2	0.2	2.7
9:05	started sampling										
9:18	sampling complete										

Comments: Spoke to Darrell Meyers he said to cut the lock on gate they replaced it with their own lock well has our lock on it 3210

Page 1 of 1

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: MW-K1
Date: 4-17-08
Sample ID MW-K1
Time: 10:20
Dup ID: -
Rinsate ID: -
MS/MSD ID: MW-K1 (MS/MSD)
Analysis: Semi-Annual Suite

Screened Interval (ft) 8.5-23.5
Pump Intake Depth (ft) 15'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 1007046
WQM Calibrated Date & Time: 4-17-08/820

Well Diameter (in): 2
Static Water Level (ft): 9.58
Total Well depth (ft): 20.45
Water Column Length: 10.87
Minimum Purge Volume:
Samplers Name: D.O. A.K.
Optimal Pump Setting:
PSI 40 CPM 4 ID: 101
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
9:56	**Liters**	**ml/min**	**± 0.1 ft**	**3%**	**± 0.1**	**± 0.2**	**± 10%**	**± 10%**	**± 10%**	**%**	**g/L**
Started	pump										
10:00	1L	~~450~~ 475mL	9.58	1.12	6.20	25.6	1.82	~~108~~ ~~490~~	491.0	0.6	7
10:03	3L	450mL	9.58	1.12	6.18	25.6	1.76	102	367.0	0.6	7
10:06	4.5L	450mL	9.50	1.13	6.13	25.6	1.63	95	280.0	0.6	7
10:09	6.L	450mL	9.50	1.13	6.16	25.7	1.55	87	155.0	0.6	7
10:12	7.L	450mL	9.50	1.13	6.07	25.5	1.52	89	130.0	0.6	7
10:15	8L	450mL	9.50	1.13	6.07	25.5	1.49	87	106.0	0.6	7
10:18	9L	450mL	9.50	1.13	6.07	25.5	1.47	87	96.3	0.6	7
10:20	Started sampling										
10:48	sampling Complete										

Comments:

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID:	ARP6-B	Screened Interval (ft)	27.7-42.7	Well Diameter (in):	2"
Date:	4-17-08	Pump Intake Depth (ft)	40'	Static Water Level (ft):	32.06
Sample ID	ARP6-B	Purging/ Sample Device:	Portable bladder	Total Well depth (ft):	43.30
Time:	11:50	PID Reading at TOC:	N/A	Water Column Length:	11.24
Dup ID:	-	Water Level Instrument :	Keck	Minimum Purge Volume:	
Rinsate ID:	-	WLI Serial #:	562	Samplers Name:	D.O. AK
MS/MSD ID:	-	Water Quality Meter:	Horiba U-22	Optimal Pump Setting:	
Analysis:	Semi-Annual Suite	Water Quality Meter Serial #:	TC07046	PSI 60 CPM 4 ID: 101	
		WQM Calibrated Date & Time:	4-17-08/ 800	Low-Flow or Net Purge:	Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
1120	started pump										
11:25	1L	400	32.06	1.23	5.77	24.5	5.48	129	999.0	0.7	8
11:30	3.5L	400	32.06	1.23	5.62	24.5	4.24	129	999.0	0.7	8
11:35	5.5L	400	32.05	1.23	5.56	24.5	5.57	130	999.0	0.7	8
11:40	7.5L	400	32.05	1.22	5.46	24.5	8.49	131	730.0	0.7	8
11:45	9.5L	400	31.95	1.22	5.47	24.5	11.20	130	638.0	0.7	8
11:48	11.5L	400	31.95	1.22	5.47	24.5	12.16	130	443.0	0.7	8
11:50	13.5	400	31.95	1.22	5.46	24.5	13.01	128	445.0	0.7	8
11:50	Start Samples										
12:09	Samples complete										

Comments:

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: MW-5
Date: 4-17-08
Sample ID MW-5
Time:
Dup ID:
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft) 15-45
Pump Intake Depth (ft) 30'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: NA
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-17-08 / 1430

Well Diameter (in): 2'
Static Water Level (ft): 22.31
Total Well depth (ft): 42.30
Water Column Length: 19.99
Minimum Purge Volume:
Samplers Name: D.O A.K.
Optimal Pump Setting:
PSI 60 CPM 4 ID: 101
Low-Flow or Net Purge: Low-flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
12:37	~~Purge~~ started pump										
12:40	1L	400	~~22.31~~ 22.31	0.97	6.85	22.9	3.04	126	89.1	0.5	6
12:43	1.5L	400	22.31	0.97	6.83	22.9	2.79	121	56.0	0.5	6
12:46	2.5L	~~400~~	22.31	0.97	6.78	23.0	2.63	117	34.8	0.5	6
12:49	3.5L	400	22.31	0.96	6.77	23.0	2.57	115	44.5	0.5	6
12:52	4.5L	400	22.31	0.96	6.75	23.0	2.54	113	32.3	0.5	6
12:55	5.5L	400	22.31	0.96	6.75	23.0	2.50	112	29.9	0.5	6
1:00	started sampling										
1:18	sampling complete										

Comments:

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: PC-086
Date: 4-17-08
Sample ID PC-086
Time: 2:45
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft) 17.5-27.5
Pump Intake Depth (ft) 20'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: 1007046
WQM Calibrated Date & Time: 4-17-08/8:20

Well Diameter (in): 2"
Static Water Level (ft): 5.01
Total Well depth (ft): 27.60
Water Column Length: 22.59
Minimum Purge Volume:
Samplers Name: A.K. D.O.
Optimal Pump Setting:
PSI 40 CPM 4 ID: 101
Low-Flow or Net Purge: Low-Flow

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
2:16	started pump										
2:20	1.5L	400mL	5.01	0.419	6.15	20.6	3.07	189	999.0	0.2	2.7
2:23	2.5L	400mL	5.01	0.420	6.05	20.6	1.82	178	922.0	0.2	2.7
2:26	3.5L	400mL	5.01	0.420	6.04	20.6	1.55	168	424.0	0.2	2.7
2:29	5L	400mL	5.01	0.420	5.98	20.6	1.40	167	332.0	0.2	2.7
2:32	6L	400mL	5.01	0.420	6.02	20.5	1.31	156	182.0	0.2	2.7
2:35	7L	400mL	5.01	0.420	6.00	20.5	1.30	150	145.0	0.2	2.7
2:38	8L	400mL	5.01	0.420	5.99	20.5	1.17	147	140.0	0.2	2.7
2:41	9L	400mL	5.03	0.420	5.97	20.6	1.15	144	148.0	0.2	2.7
2:45	started sampling										
2:59	sampling complete										

Comments: cut off lock needs new one

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: PC-064
Date: 4-14-08
Sample ID PC-064
Time: 10:04
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual suite

Screened Interval (ft) 4-19
Pump Intake Depth (ft) 16 btoc
Purging/ Sample Device: Potable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007040
WQM Calibrated Date & Time: 4-14-08/ 10:00

Well Diameter (in): 2
Static Water Level (ft): 7.49 btoc
Total Well depth (ft): 18.28 btoc
Water Column Length: 10.79
Minimum Purge Volume:
Samplers Name: D. Ortega
Optimal Pump Setting:
PSI 40 CPM 4 ID: 99
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
10:25	Commenced Pump										
10:32	1L	450 ml	7.50	0.93	7.11	23.3	7.21	206	256.0	0.5	6
10:35	2L	450	7.50	0.93	7.00	22.9	1.52	195	205.0	0.5	6
10:38	4L	450	7.50	0.91	4.03	23.0	1.47	280	209.0	0.5	7
10:41	6L	450	7.56	0.90	4.53	22.9	1.64	285	202.	0.7	6
10:44	7L	450	7.56	0.96	4.48	23.0	7.57	293	141.0	0.6	7
10:45	pump repair										
11:50	10L		7.57	0.92	6.44	23.1	8.47	230	494.0	0.6	6
11:53	13L	450	7.57	0.92	6.49	23.1	9.00	226	440.0	0.5	6
11:56	14L	450	7.57	0.92	6.53	23.1	9.24	220	382.0	0.5	6
11:59	15L	450	7.57	0.92	6.51	23.2	9.36	217	4230	0.5	6
12:02	05L	450	7.57	0.92	6.54	23.2	9.30	215	325.0	0.5	6
12:05		450	7.57	0.92	6.62	23.2	9.25	212	330.0	0.5	6
12:10	started sampling										
12:25	Sampling complete										

Comments:

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi-Annual

Well ID: PC-067
Date: 4-15-08
Sample ID PC-067
Time: 7:45 Am
Dup ID: N/A
Rinsate ID: N/A
MS/MSD ID: N/A
Analysis: Semi-Annual suite

Screened Interval (ft) 11-38.5
Pump Intake Depth (ft) 30'
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-15-08 7:45

Well Diameter (in): 2'
Static Water Level (ft): 11.70 btoc
Total Well depth (ft): 33.76 btoc
Water Column Length: 22.06
Minimum Purge Volume:
Samplers Name: D.O A.K
Optimal Pump Setting:
PSI 40 CPM 4 ID: 10l
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	TDS
~~7:58~~	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
~~8:00~~	Commenced pump										
8:03	1	410	11.80	1.22	5.57	24.3	4.22	206	999.0	0.7	8
8:04	2	400	11.80	1.24	5.60	24.3	3.83	203	999.0	0.7	8
8:09	3	400	11.8	1.27	5.53	24.3	3.48	204	999.0	0.7	8
8:10	4	400	11.8	1.29	5.48	24.4	3.09	205	999.0	0.8	8
8:13	5	400	11.8	1.32	5.47	24.4	2.83	206	999.0	0.8	8
8:15	start sampling										
8:29	Sampling Complete										

Comments:

Page___of___

Monitoring Well Low-Flow Purge/Sampling Form

Project: Semi- Annual

Well ID: PC-031
Date: 4-15-08
Sample ID PC-031
Time: 8:50
Dup ID: -
Rinsate ID: -
MS/MSD ID: -
Analysis: Semi-Annual Suite

Screened Interval (ft) 15.49.5
Pump Intake Depth (ft) 40
Purging/ Sample Device: Portable bladder
PID Reading at TOC: N/A
Water Level Instrument : Keck
WLI Serial #: 562
Water Quality Meter: Horiba U-22
Water Quality Meter Serial #: T007046
WQM Calibrated Date & Time: 4-15-08/ 850

Well Diameter (in): 2'
Static Water Level (ft): 10.87
Total Well depth (ft): 46.78
Water Column Length: 35.9
Minimum Purge Volume:
Samplers Name: D.O A.K.
Optimal Pump Setting:
PSI ~~40~~ CPM 4 ID: 101
Low-Flow or Net Purge:

Time	Volume Purged	Flow Rate	Water Level (feet TOC)	Specific Conductance ( )	pH	Temp.	DO (mg/L)	ORP (mV)	Turbidity (NTU)	Salinity	90 610 TDS
	Liters	ml/min	± 0.1 ft	3%	± 0.1	± 0.2	± 10%	± 10%	± 10%	%	g/L
9:14	connected pump										
9:17	1/2L	260 mL	10.85	0.859	7.12	27.3	3.28	136	539.0	0.6	6
9:20	1L	360 mL	10.85	0.865	7.09	27.4	3.34	106	333.0	0.6	6
9:23	2L	360 mL	10.85	0.868	6.93	27.5	1.97	96	163.0	0.6	6
9:26	3.5L	360 mL	10.85	0.864	6.85	27.5	1.99	85	96.7	0.6	6
9:29	4.5L	360 mL	10.85	0.863	6.86	27.5	1.67	81	86.0	0.6	5.4
9:32	5.5L	360 mL	10.85	0.862	6.91	27.5	1.57	74	70.1	0.6	5.4
9:40	Started Sampling										
9:46	Sampling complete										

Comments: